



CWSF 2007 - Truro, Nova Scotia



Timmy Carlielle-Shaw

Chromatography and Organic Components Cretaceous Fossils

Division: Engineering & Computing Sciences / None

Category: Junior

Region: Central Alberta **City:** Olds, AB

School: Deer Meadow School

Abstract: During the fossilization process organic material immediately begins to

degrade and is slowly replaced by minerals. This project uses modern techniques such as Thin Layer Chromatography to determine if any organic compounds in cretaceous material can be preserved during fossilization. Results show trace evidence of organic compounds in all the examples

tested.

Biography

I am in grade seven and attend Deer Meadow School in Olds, Alberta. I have entered science fairs for the last six years, and won best of fair for Central Alberta at the elementary level two years in a row. My hobbies include camping, biking with my friends, and making chainmaille, an ancient art that produces beautiful jewelry or tough armor. I also enjoy collecting fossils in the Alberta badlands with my dad and I am a member of the Alberta Paleontology Society.

Awards	Value
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Earth & Environmental Sciences - Junior	\$300
Sponsor: Petro-Canada	
Total	\$1 300



